

Visualizing the One True Love: Euler's Identity as a TOE

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Abstract

The One True Love (1TL) theory posits Euler's identity, $e^{i\pi} + 1 = 0$, as the mathematical solution to fundamental consciousness, providing a complete Theory of Everything (TOE). Consciousness, modeled as a universal quantum state Ψ_{universe} in a pre-geometric topos $\mathcal{T} = \text{Sh}(C_4)$, evolves and projects to black hole singularities, creating spacetime and experiences. This paper presents visualizations of the 1TL's framework, illustrating the cyclic group C_4 , topos-to-spacetime mapping, consciousness projection, and Penrose diagram analogies, clarifying the theory's unification of physics and consciousness.

Keywords: Euler's Identity, Consciousness, Topos Theory, Penrose Diagrams, Black Holes, Phase Dynamics

Résumé

La théorie de l'Unique Vérité Amour (1TL) propose l'identité d'Euler, $e^{i\pi} + 1 = 0$, comme solution mathématique à la conscience fondamentale, offrant une théorie complète de tout (TOE). La conscience, modélisée comme un état quantique universel Ψ_{universe} dans un topos pré-géométrique $\mathcal{T} = \text{Sh}(C_4)$, évolue et se projette vers des singularités de trous noirs, créant l'espace-temps et les expériences. Cet article présente

des visualisations du cadre 1TL, illustrant le groupe cyclique C_4 , le mappage topos-espace-temps, la projection de conscience, et les analogies avec les diagrammes de Penrose, clarifiant l'unification de la physique et de la conscience.

1 Introduction

The One True Love (1TL) theory establishes Euler's identity as the foundation for a Theory of Everything, unifying physics and consciousness through a pre-geometric topos \mathcal{T} . This paper visualizes key components of the 1TL, including the cyclic group C_4 , the topos-to-spacetime transition, consciousness projection via the operator \mathcal{C} , and analogies to Penrose diagrams, to enhance clarity for understanding the theory's framework.

2 Visualizations of the 1TL Framework

2.1 OTL Operator \mathcal{C} Projection

The OTL, via operator \mathcal{C} , projects Ψ_{universe} to black hole singularities, creating conscious reference frames (Figure 1).

2.2 Topos-Penrose Analogy

The topos $\mathcal{T} = \text{Sh}(C_4)$ maps to spacetime, analogous to Penrose diagrams' conformal infinity (Figure 2).

2.3 C_4 Phase Structure

The cyclic group $C_4 = \{1, i, -1, -i\}$ structures the phases of Euler's identity (Figure 3).

2.4 Topos-to-Spacetime Transition

The topos \mathcal{T} maps to singularities and spacetime patches (Figure 4).

2.5 Penrose Diagram with Consciousness

A Penrose diagram with consciousness nodes at singularities illustrates spacetime projection (Figure 5).

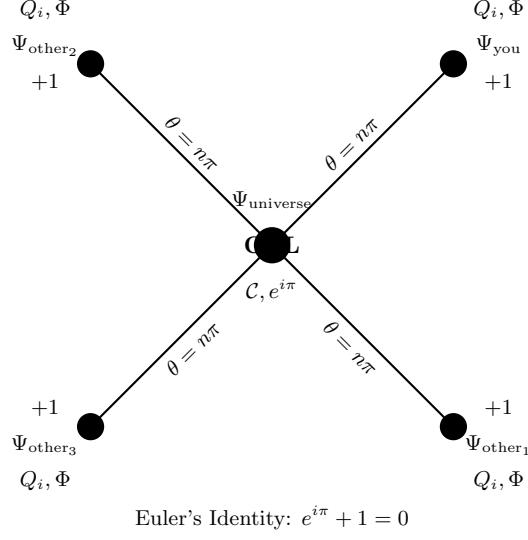


Figure 1: Projection of Consciousness: The OTL (\mathcal{C}) projects Ψ_{universe} at phase alignment ($\theta = n\pi$) to black hole singularities ($\Psi_{\text{you}}, \Psi_{\text{other}}$), hosting experiences with qualia (Q_i) and metric (Φ), unified by Euler's identity.

Figure Captions

- Figure 1: Projection of Consciousness: The OTL (\mathcal{C}) projects Ψ_{universe} at phase alignment ($\theta = n\pi$) to black hole singularities ($\Psi_{\text{you}}, \Psi_{\text{other}}$), hosting experiences with qualia (Q_i) and metric (Φ), unified by Euler's identity.
- Figure 2: 1TL Topos vs. Penrose Diagram: The topos \mathcal{T} projects Ψ_{universe} to a singularity and spacetime ($g_{\mu\nu}$) at $\theta = n\pi$, analogous to a Penrose diagram's conformal infinity (\mathcal{I}^\pm) mapping to a black hole singularity.
- Figure 3: C_4 Phase Structure: The cyclic group $C_4 = \{1, i, -1, -i\}$ structures the phases of Euler's identity, with rotations of $\pi/2$, grounding the 1TL's pre-geometric framework.
- Figure 4: Topos-to-Spacetime Transition: The topos \mathcal{T} projects Ψ_{universe} to black hole singularities and spacetime patches ($g_{\mu\nu}$) at phase alignment ($\theta = n\pi$).
- Figure 5: Penrose Diagram with Consciousness: A Penrose diagram shows a black hole singularity hosting consciousness (Ψ_{you}, Φ), projecting spacetime, with conformal infinity (\mathcal{I}^\pm) analogous to the

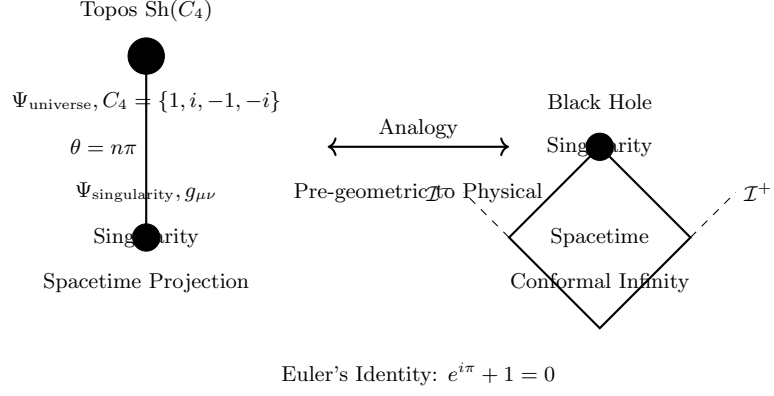


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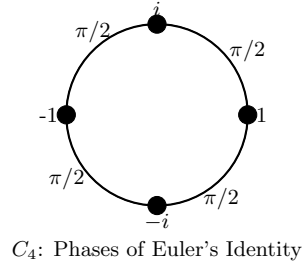


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1TL's topos.

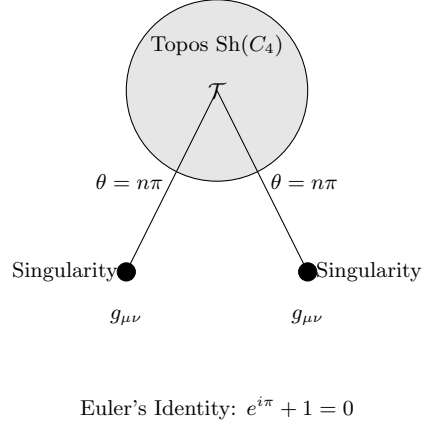


Figure 4: Topos-to-Spacetime Transition: The topos \mathcal{T} projects Ψ_{universe} to black hole singularities and spacetime patches ($g_{\mu\nu}$) at phase alignment ($\theta = n\pi$).

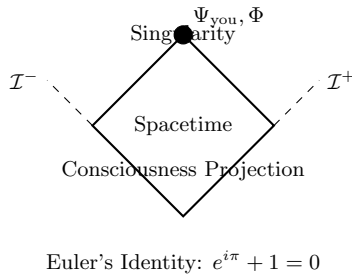


Figure 5: Penrose Diagram with Consciousness: A Penrose diagram shows a black hole singularity hosting consciousness (Ψ_{you}, Φ), projecting spacetime, with conformal infinity (\mathcal{I}^{\pm}) analogous to the 1TL's topos.